



MAINTAIN FRICOFIN HDD

Ultra High Performance Engine Coolant concentrate based on monoethylene glycol.
Free of amines and phosphates with low silicate technology.

Description

MAINTAIN FRICOFIN HDD is a long term coolant concentrate based on mono ethylene glycol for heavy duty diesel application as well as stationary engines. MAINTAIN FRICOFIN HDD is free of amines and phosphates, combined with a low silicate technology it prevents reliably highly loaded engines from frost, overheating, corrosion and cavitation. This most efficient protection extends to all metals in the cooling system.

Application

MAINTAIN FRICOFIN HDD is a fully formulated coolant concentrate and must be diluted with water before application. Best concentration for the application is 50vol% MAINTAIN FRICOFIN HDD. MAINTAIN FRICOFIN HDD is recommended for use in Mining, Construction as well as on-highway applications. Please note the required water qualities of the manufacturers. We recommend using distilled or demineralised/deionised water.

Advantages/Benefits

- Universal usability (trucks, stationary engines and engines used in off-highway equipment)
- Extended drain intervals
- Protection from deposits, frost, cavitation and corrosion
- No need for initial charge of Supplement Coolant Additive (SCA)
- Contains bittering agent

Specifications

- ASTM D 3306 TYPE I
- ASTM D 4985
- ASTM D 6210 TYPE I-FF
- ASTM D 7583
- AS/NZS 2008:2004 TYPE A
- BS 6580:2010
- SAE J814
- CHRYSLER MS 7170
- CHRYSLER MS 9769
- DETROIT DIESEL 7SE298
- FORD ESE-M97B44-A
- FORD ESE-M97B18-C
- FORD WSS M97B51-A1
- GM 1825M & GM 1899M
- JIS K2234
- MACK 014GS17004

Approvals

- MTU MTL 5048

FUCHS Recommendations

- CASE MS 1710
- CAT EC-1
- CUMMINS CES 14603
- DETROIT DIESEL 93K217 (NOAT)
- FREIGHTLINER 48-2288D
- IVECO 18-1830
- KENWORTH RO26-170-97
- MAN 324 TYPE N
- NEW HOLLAND WSN-M97B18-D
- PACCAR CS 0185
- TOYOTA Motor Corp. RP 329

Attention: This product is recommended for use at combustion engines only.

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While the information and figures given here are typical of current production and confirm to specification, minor variations may occur. No warranty expressed or implied is given concerning the accuracy of the information or the suitability of the products.



TYPICAL CHARACTERISTICS

Density at 15 °C	DIN 51757	1.13 g/ml
Colour	visual	yellow
Flash Point, CoC	DIN ISO 2592	>110 °C
Equilibrium Reflux Boiling Point	ASTM D 1120	>160 °C
pH-Value	DIN 51369	8.1

TABLE OF MIXING RATIOS

E.R.B.P	FROST PROTECTION	PARTS MAINTAIN FRICOFIN HDD	PARTS WATER
103°C	-20°C	1	2
105°C	-27°C	1	1.5
108°C	-37°C	1	1
113°C	-55°C	1.5	1

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